

RECORD OF CHANGES				
DWG ISS	PREV FURN	STD	MFR DISC	SEE NOTE

S100L0				
PERIPHERAL DECODER				
ELEMENT ID				
A				
TERM	MOD	UNIT	TERM	LOC
GRD	G	101	4E6	
GRD	G	102	4E6	
GRD	G	103	4E6	
GRD	G	104	4E7	
GRD	G	105	4E7	
GRD	G	106	4E7	
GRD	G	107	4E7	
GRD	G	201	4E8	
GRD	G	202	4E8	
GRD	G	300	4E8	
GRD	G	301	4E8	
GRD	G	502	4E8	

- NOTES:
1. UNLESS OTHERWISE SPECIFIED:  
RESISTANCE VALUES ARE IN OHMS  
CAPACITANCE VALUES ARE IN MICROFARADS  
VALUES PRECEDED BY THE SYMBOL + (PLUS)  
OR - (MINUS) ARE IN VOLTS.

IC CODE	GRD TERM.	BAT TERM.		
163E	5,7, 22,32	6,16		

3. BATTERY AND GROUND TERMINALS FOR THIS CIRCUIT PACK ARE AS FOLLOWS:

FUNCTION	TERMINAL
-7	210
-48	000
	002,003,004,
	005,006,007,
GR0	101,102,103,
	104,105,106,
	107,201,202,
	300,301,302,

4. GROUND TERMINALS FOR THE CIRCUIT MODULE ARE:

CM CODE	GRS TERM
176A	10, 12, 19, 23, 27

5. THE TERMINAL NUMBER ARRANGEMENT OF THE 51B, 51G AND 66AE TYPE TRANSISTOR IS:



6.  GROUND RETURN

SYSTEM USED ON	DESIGN CONTROL
NO. 3 ESS	TH

7. CLOSEST RECOMMENDED  
HORIZONTAL MOUNTING CENTERS  
IS 0.750 INCH.

CURRENT DRAIN: ON -55V - 36mA MAX

SHEET INDEX NOTES		SUPPORTING INFORMATION		NOTICE—NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.	
CATEGORY		NUMBER			
1. FOR SINGLE REVISIONS, A CHANGED OR NEW SHEET WILL BE ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.		CONNECTOR ON FRAME		1879, 1879 (OR 1879)	
2. FOR CONCURRENT REVISIONS, A CHANGED OR NEW SHEET WILL BE ASSIGNED THE HIGHEST ISSUE NUMBER AFFECTING THAT SHEET.		CIRCUIT PAD INFORMATION DRAWING		1111	
3. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE UNCLE DRAWING.		SERIES FOR LATEST CLASS "A" CHANGE		FC181 CIRCUIT PAD PERIPHERAL DECODER CIRCUIT	
ACCEPTABLE SERIES		1-3/3, 3/3, 5/5		STATUS STANDARD 9/8 5/82 15/88 6S 241	
		BELL LABORATORIES		CPS-FC181	
				4 SHEETS	

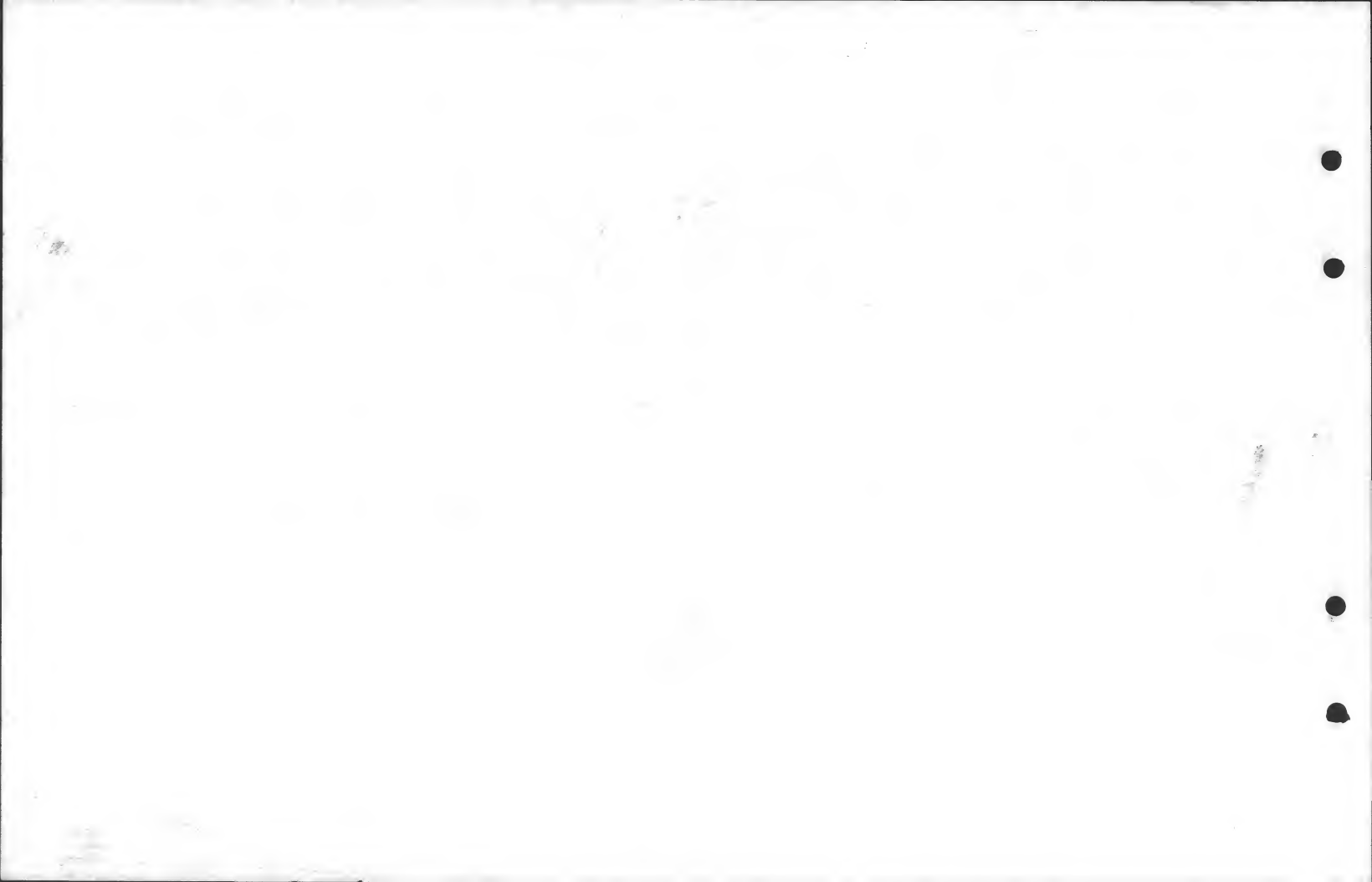




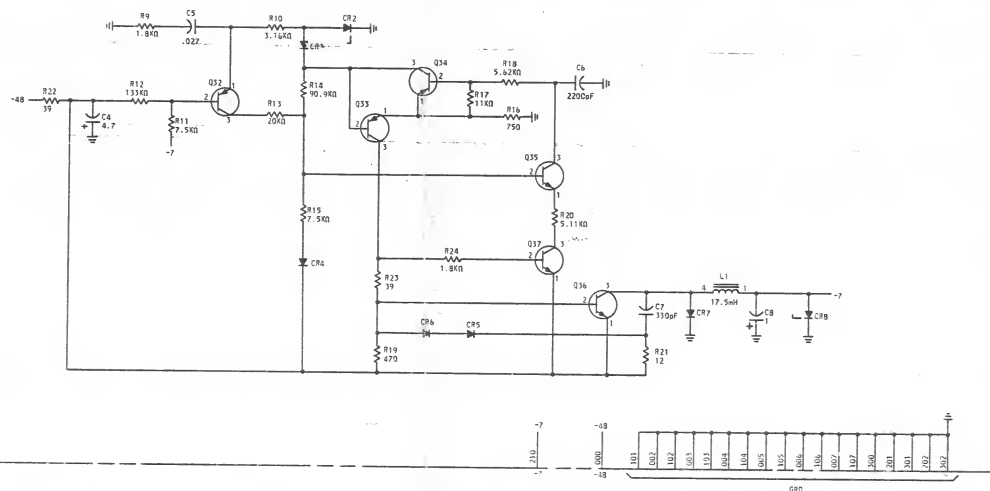
200  
207  
304

163E





# PERIPHERAL DECODER CIRCUIT.



## COMPONENT LIST

### CAPACITOR

DESIG	CODE
C1	6004
[2] C2, C3	KS-16742, L27, 5320PF
C4	6014
C5	KS-19774, L05, .022
C6	KS-20900, L02, 2200uF
C7	KS-19774, L02, 330uF
C8	6028
[2] C9, C10	KS-19774, L7, 33uF

### CIRCUIT MODULE

DESIG	CODE
[2] CH1, CH2	FIC 176A

### INDUCTOR

DESIG	CODE
CR1	4590
CR2	4598
CR3	458A
CR4	4650
[3] CR5-CR7	458A
CR8	ROBE
INDUCTOR	CODE
L1	1628AA, 17.5mH

### INTEGRATED CIRCUIT

DESIG	CODE
[2] IC1, IC2	167C

### RESISTOR

DESIG	CODE
R1	KS-16645, L2, 22K
R2	KS-17750, L2, 1.5K
[2] R3, R4	KS-20616, L18, 21.5
R5	KS-16645, L2, 100K
[2] R6, R7	KS-20616, L18, 21.5
R8	KS-16645, L2, 100K
R9	KS-16645, L2, 1.8K
R10	KS-20616, L14, 5.74K
R11	KS-20616, L18, 7.5K
R12	KS-20616, L14, 137K
R13	KS-16645, L1, 200K
R14	KS-20616, L18, 90.9K
R15	KS-20616, L18, 7.5K
R16	KS-20616, L18, 750
R17	KS-20616, L18, 11K
R18	KS-20616, L18, 5.62K
R19	KS-16645, L2, 470
R20	KS-20616, L18, 5.1K
R21	KS-16645, L2, 12
[2] R22, R23	KS-16645, L2, 29
R24	KS-16645, L2, 1.8K

### TRANSFORMER

DESIG	CODE
[2] T1, T2	259A

### TRANSISTOR

DESIG	CODE
[2] Q1-Q25	518
Q26-Q31	510
Q32-Q34	518
[3] Q35-Q37	66AE

PC181 CIRCUIT PACK

BELL TELEPHONE LABORATORIES  
INCORPORATED

CPS-FC181

SHEET 4

2A1

